June 28, 1982

DOCUMENTATION RECORDS
FOR
HAZARD RANKING SYSTEM

Pesticide Lab -Valcime

INSTRUCTIONS: The purpose of these records is to provide a convenient way to prepare an auditable record of the data and documentation used to apply the Hazard Ranking System to a given facility. As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference that will make the document used for a given data point easier to find. Include the location of the document and consider appending a copy of the relevant page(s) for ease in review.

LOCATION: U.S. Dept. of Agriculture Laboratory

LOCATION: Yakıma Wa 98902.

3706, West Nobthill Blod.

USEPA SF 1599748

340

#### GROUND WATER ROUTE

#### 1 OBSERVED RELEASE

Contaminants detected (5 maximum):

None

Rationale for attributing the contaminants to the facility:

None

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### 2 ROUTE CHARACTERISTICS

# Depth to Aquifer of Concern

Name/description of aquifers(s) of concern:

Sand and gravel water table aguifar

Depth(s) from the ground surface to the highest seasonal level of the saturated zone [water table(s)] of the aquifer of concern:

< 20ft average about 8-15 feet.

Depth from the ground surface to the lowest point of waste disposal/storage:

< 10ft

### Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal): Oct/Mar= 6.8" 3.6" of precip in Volume falls as snow (36 of snow)

Mean annual lake or seasonal evaporation (list months for seasonal): Octions evaporation low: Wote average monthly target and relative furnishing. Oct Nov Dec Jan Feb Mar 60° ±45° 35.40° 25-30° 35° 50° Temp. 65% 70% 85% 90% 80% 70% Relative Humidity

Net precipitation (subtract the above figures):

Net infiltration probably 45" perypar during writer months (Bell Weller, SCS, Hydrologist, Spokane)

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

Sandy grovelly loan

(well logs DOE ples)

Permeability associated with soil type:

High

# Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

Liquids (DR Enc Halfhell V.S.DA. Yakima).

3 CONTAINMENT

Containment Noue

Method(s) of waste or leachate containment evaluated:

Disposal to septie tank draw field

Method with highest score:

As above

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

Chlorinated pesticides (DDT etc)

Compound with highest score:

DDT

### Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

Minimum of 1-40 bbls of wash water and formulated

Basis of estimating and/or computing waste quantity:

Phone conversation DR ERIC Halfhill U.S. DA. 7/30/82

### 5 TARGETS

### Ground Water Use

Use(s) of aquifer(s) of concern within a 3-mile radius of the facility:

Dot files - Water rights, public water supplies

Drinking water brigation

Doefiles - water rights

# Distance to Nearest Well

Location of nearest well drawing from aquifer of concern or occupied building not served by a public water supply:

Robert Barry well Logan Ave. SW4 of SE 4 Sec 27 M3NR 18E W.H.
City of Yatura Amport well Sec 35 7500 H from site (DOE files)

Distance to above well or building:

Hout 2000 ft for Berry well.

# Population Served by Ground Water Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each:

50,000 (city of Yakuma)

> 50,000 (cety of Yakuma) ~ 5000 (Nob Hell Water 6)

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

< 200 acres (DOE water rights)

Total population served by ground water within a 3-mile radius:

>50,000

#### SURFACE WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

None

Rationale for attributing the contaminants to the facility:

None

2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

<3% (US.G.S. Yakina West Quad map)

Name/description of nearest downslope surface water:

Wide Hollow Creek

Average slope of terrain between facility and above-cited surface water body in percent:

< 30%

Is the facility located either totally or partially in surface water?

No.

Is the facility completely surrounded by areas of higher elevation?

No

1-Year 24-Hour Rainfall in Inches

0.9" 38% of 2 yr 24 HR Rainfall (NOAA Atlas 2).

Distance to Nearest Downslope Surface Water

2000 ft

Physical State of Waste

(DR Enic Halfhill, U.S.DA. Yakuna). Liquid

3 CONTAINMENT

Containment None

Method(s) of waste or leachate containment evaluated:

Disposal into septie tank draw field

Method with highest score:

As above

4 WASTE CHARACTERISTICS

### Toxicity and Persistence

Compound(s) evaluated

DDT

Compound with highest score:

DDT

## Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

Estimated at Not more than 40 bbls - (DR ERIC Halffill)

Basis of estimating and/or computing waste quantity:

Conversation with D+ Eric Halfhell US. DA. - 7/30/82

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5 TARGETS

#### Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance:

Irrigation

Is there tidal influence?

NO

# Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

NONE

Distance to 5-acre (minimum) fresh-water wetland, if I mile or less:

NONE

Distance to critical habitat of an endangered species or national wildlife refuge, if I mile or less:

None

## Population Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

None for drinking water .

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

480 acres S4 00699A Water right NET OFSET Section 35-18 acres S4 005/1A " SET4SWESTSEL36

Total population served:

= 750 people

Name/description of nearest of above water bodies:

Wide Hollow Creek.

Distance to above-cited intakes, measured in stream miles.

= 8000 ft.

#### AIR ROUTE

1	OBSERVED	RELEASE
Со	ntaminants	detected:

None

Date and location of detection of contaminants

Methods used to detect the contaminants:

Rationale for attributing the contaminants to the site:

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2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

Most incompatible pair of compounds:

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Tox	i	C	1	tv
2000	-	_	-	-,

Most toxic compound:

## Hazardous Waste Quantity

Total quantity of hazardous waste:

Basis of estimating and/or computing waste quantity:

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### 3 TARGETS

# Population Within 4-Mile/Radius

Circle radius used, give population, and indicate how determined:

0 to 4 mi

0 to 1 mi

0 to 1/2 mi

0 to 1/4 mi

# Distance to a Sensitive Environment

Distance to 5-/acre (minimum) coastal wetland, if 2 miles or less:

Distance/to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

Distance to critical habitat of an endangered species, if I mile or less:

# Land Use

Distance to commercial/industrial area, if 1 mile or less:

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

Distance to residential area, if/2 miles or less:

Distance to agricultural land in production within past 5 years, if 1 mile or less:

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?